

CLAIMS:

What is claimed is:

1. A module for use with an application program for use in a data processing system, the module comprising:
 - 5 an export/import list; and
 - a loader helper function, wherein the loader helper function is callable by a loader to resolve unresolved component.
- 10 2. The module as recited in claim 1, wherein the export/import list includes at least one of an imported function and an exported function.
3. The module as recited in claim 1, wherein the unresolved component is an unresolved module.
- 15 4. The module as recited in claim 1, wherein the unresolved component is an unresolved export.
5. A method for resolving an unresolved module required by a loader in loading an application, the method comprising:
 - 20 determining that a component is unresolvable by the loader;
 - calling a loader helper function to resolve the component; and
 - responsive to the loader helper function resolving the component, using the component to resolve a pending
 - 25 import requirement.
6. The method as recited in claim 5, wherein loading the module comprises:

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responsive to a determination that the component is unresolvable by the loader helper function, calling a loader helper function in another module to aid in resolving the component.

- 5 7. The method as recited in claim 6, further comprising:

responsive to the loader helper function in another module resolving the component, using the component to resolve a pending import requirement.

- 10 8. The method as recited in claim 5, wherein the component is a module.

9. The method as recited in claim 5, wherein the component is an export.

- 15 10. A computer program product in a computer readable media for use in a data processing system for resolving an unresolved module required by a loader in loading an application, the computer program product comprising:

first instructions for determining that a component is unresolvable by the loader;

- 20 second instructions for calling a loader helper function to resolve the component; and

third instructions, responsive to the loader helper function resolving the component, for using the component to resolve a pending import requirement.

11. The computer program product as recited in claim 10, wherein loading the module comprises:

fourth instructions, responsive to a determination that the component is unresolvable by the loader helper function, for calling a loader helper function in another module to aid in resolving the component.

12. The computer program product as recited in claim 11, further comprising:

fifth instructions, responsive to the loader helper function in another module resolving the component, for using the component to resolve a pending import requirement.

13. The computer program product as recited in claim 10, wherein the component is a module.

14. The computer program product as recited in claim 10, wherein the component is an export.

15. A system for resolving an unresolved module required by a loader in loading an application, the system comprising:

a resolving unit which determines that a component is unresolvable by the loader;

a loader helper caller which calls a loader helper function to resolve the component; and

an import unit which, responsive to the loader helper function resolving the component, uses the component to resolve a pending import requirement.

16. The system as recited in claim 15, wherein the import unit comprises:

a load chain caller which, responsive to a determination that the component is unresolvable by the loader helper function, calls a loader helper function in another module to aid in resolving the component.

17. The system as recited in claim 16, wherein the
import unit, responsive to the loader helper function in
another module resolving the component, uses the
10 component to resolve a pending import requirement.

18. The system as recited in claim 15, wherein the component is a module.

19. The system as recited in claim 15, wherein the component is an export.

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